

## PATENT COOPERATION TREATY

From the  
INTERNATIONAL SEARCHING AUTHORITY

To:

AN, Kook Chan

Hannuri Bldg. 219 Naeja-dong, Chongno-gu, Seoul 110-053  
Republic of Korea

PCT

WRITTEN OPINION OF THE  
INTERNATIONAL SEARCHING AUTHORITY

(PCT Rule 43bis.1)

Date of mailing  
(day/month/year) 20 APRIL 2005 (20.04.2005)

Applicant's or agent's file reference  
FM251541

FOR FURTHER ACTION

See paragraph 2 below

International application No.

PCT/KR2005/000111

International filing date (day/month/year)

13 JANUARY 2005 (13.01.2005)

Priority date(day/month/year)

16 JANUARY 2004 (16.01.2004)

International Patent Classification (IPC) or both national classification and IPC

IPC7 B66B 31/02

Applicant

OTIS ELEVATOR COMPANY et al

## 1. This opinion contains indications relating to the following items:

- ☒ Box No. I Basis of the opinion
- ☐ Box No. II Priority
- ☐ Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- ☐ Box No. IV Lack of unity of invention
- ☒ Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- ☐ Box No. VI Certain documents cited
- ☐ Box No. VII Certain defects in the international application
- ☐ Box No. VIII Certain observations on the international application

## 2. FURTHER ACTION

If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that written opinions of this International Searching Authority will not be so considered.

If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.  
For further options, see Form PCT/ISA/220.

## 3. For further details, see notes to Form PCT/ISA/220.

Name and mailing address of the ISA/KR



Korean Intellectual Property Office  
920 Dunsan-dong, Seo-gu, Daejeon 302-701,  
Republic of Korea

Facsimile No. 82-42-472-7140

Authorized officer

JANG, GI JEONG

Telephone No. 82-42-481-8141



WRITTEN OPINION OF THE  
INTERNATIONAL SEARCHING AUTHORITY

International application No.

PCT/KR2005/000111

Box No. 1 Basis of this opinion

1. With regard to the language, this opinion has been established on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ This opinion has been established on the basis of a translation from the original language into the following language \_\_\_\_\_, which is the language of a translation furnished for the purposes of international search (under Rules 12.3 and 23.1(b)).

2. With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of:

a. type of material

- ☐ a sequence listing  
☐ table(s) related to the sequence listing

b. format of material

- ☐ in written format  
☐ in computer readable form

c. time of filing/furnishing

- ☐ contained in the international application as filed.  
☐ filed together with the international application in computer readable form.  
☐ furnished subsequently to this Authority for the purposes of search.

3. ☐ In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.

4. Additional comments:

**WRITTEN OPINION OF THE  
INTERNATIONAL SEARCHING AUTHORITY**

International application No.

PCT/KR2005/000111

**Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement**

**1. Statement**

Novelty (N)	Claims	1-8	YES
	Claims	None	NO
Inventive step (IS)	Claims	1-8	YES
	Claims	None	NO
Industrial applicability (IA)	Claims	1-8	YES
	Claims	None	NO

**2. Citations and explanations :**

The present invention relates to a guide device for supporting a handrail for a moving walkway or an escalator.

Reference is made to the following document:

D1: US 5,160,009 A (IYODA ET AL.) 3 Nov. 1992

**(1) Novelty (N)**

Claim 1 of the present application relates to a guide device for supporting a handrail comprising an friction belt 4 and a supporting means. The friction belt 4 of claim 1 is not disclosed in D1. Therefore, the subject matter of claim 1 is considered to novel under PCT Article 33(2). Claims 2-8 are dependent on claim 1, and consequently the subject matter of claims 2-8 are also considered to be novel.

**(2) Inventive Step (IS)**

The friction belt 4 of the present invention is not disclosed in the prior art D1. In addition, the friction belt 4 cannot be readily invented by a skilled person in the art. Therefore, claim 1 meets the requirement of PCT Article 33(3) with respect to inventive step. Claims 2-8 are dependent on claim 1, and consequently the subject matter of claims 2-8 are also considered to involve inventive step.

**(3) Industrial Applicability (IA)**

The present invention is used for an escalator or a moving walkway. Therefore, claims 1-8 meet the criteria of PCT Article 33(4).